

Title (en)  
HOUSING STRUCTURED FOR FLAT RESISTANCE

Title (de)  
GEHÄUSE STRUKTURIERT FÜR FLACHEN WIDERSTAND

Title (fr)  
BOÎTIER STRUCTURÉ POUR UNE RÉSISTANCE PLANE

Publication  
**EP 3511955 B1 20210127 (EN)**

Application  
**EP 17848108 A 20170905**

Priority  
• CN 201621043000 U 20160907  
• CN 2017100451 W 20170905

Abstract (en)  
[origin: EP3511955A1] A housing structure of a planar resistor is provided, wherein electrode extraction ends (4) of the planar resistor are on the same side of the resistor. A housing structure body (1) is made of an insulating material covering the surface of the resistor. An insulating structure (3) having a groove opening facing toward or away from the resistor is provided around each electrode extraction end (4) of the resistor. The insulating structure (3) is configured to be a multi-tooth or multi-groove insulating structure. Compared with the prior art, a structure having teeth or slots increases the surface creepage distance of an insulating material between two electrodes. Since the electrodes are mounted toward different directions, and a multi-groove opening is designed to face inward or outward, dust and dirt can hardly enter the resistor, so that the operating reliability and maintenance-free property of the resistor are improved.

IPC 8 full level  
**H01C 1/02** (2006.01); **H01C 1/022** (2006.01); **H01C 1/14** (2006.01)

CPC (source: EP KR RU US)  
**H01C 1/02** (2013.01 - EP KR RU US); **H01C 1/022** (2013.01 - EP RU US); **H01C 1/14** (2013.01 - EP KR RU US)

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